



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER OF PATENTS AND TRADEMARKS
Alexandria VA 22313-1450

In re the application of: Robert R. Granados
For: Clonal Cell Lines Derived From BTI-TN-5B-4
Filed: April 21, 2005
Application No.: 10/532,288
Art Unit: 1651
Attorney Docket No.: BTI-73US

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this information Disclosure Statement

1. ☒ Preliminary Statements
2. ☒ FORM PTO - 1449 (Modified)
3. ☐ Statement As To Information Material To Examination Not Found in Patents or Publications
4. ☐ Identification of Prior Application In Which Listed Information Was Already Cited and For Which No Copies Are Submitted Or Need Be Submitted.
5. ☐ Cumulative patents or Publications
6. ☐ Copies of Listed Information Items Accompanying This Statement
7. ☐ Concise Explanation of Non-English Language Listed Information Items.
8. ☐ Translation(s) of Non-English Language Documents
9. ☒ Certification under MPEP 609(e)
10. ☒ Identification of Person(s) Making This Information Disclosure Statement

CERTIFICATE OF MAILING

☒ Certified Mail No: 7004 0750 0003 0365 3333

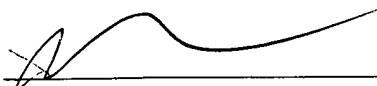
Date: March 15, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service, return receipt requested in an envelope addressed to: Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date.

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Justin Wood

Section 1. Preliminary statements

Applicant submits herewith patents, publications or other information of which he is aware, which he believes may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.56(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Section 2. Form PTO - 1449 (Modified) (SEE ATTACHMENT)

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance or not considered. Include a copy of this form with the next communication to applicant.

Section 3. Statement As To Information Material For Examination Not Found in Patents or Publications (Information not listed in PTO 1449)

Section 4. Identification of Prior Application in Which Listed Information Was Already Cited and For Which No Copies Are Submitted Or Need Be Submitted

Section 5. Cumulative Patents or Publications

☐ Item(s)

are cumulative of the following patents or publication listed on Form PTO 1449 (modified):

In accordance with 37 CFR 1.98(c) a copy of _____ is being submitted with this information disclosure statement.

Section 6. Copies of Listed Information Items Accompanying This Statement

Legible copies of all items listed accompany this information statement.

☐ Exception(s) to above:

☐ Items in prior application from which an earlier filing date is claimed for this application as identified in Section 4.

☐ Cumulative patents or publications identified in Section 5.

Section 7. Concise Explanation of Non-English Language Listed Information Items

Section 8. Translation(s) of Non-English Language Documents

☐ Submitted herewith is an English translation of the following foreign language patents, publications or information or of those portions of those patents, publications or information considered to be material:

☐ No English language translations of the foreign language patents, publications or information or parts thereof are readily available, except for those listed above.

☐ The following foreign language documents submitted are believed to be the equivalent or substantial equivalent of the English language documents identified below, which are also submitted herewith.

Section 9. Certification under Rule 1.97

☒ The undersigned hereby certifies that:

a. This Statement is being filed after the latest of (1) three months after the filing date of a national application; (2) three months after the date of entry of the national stage as set forth in w 1.491 in an international application; (3) the mailing date of a first Office action on the merits.

b. The fee set forth in §1.17(p)

☒ Is being paid with this Information Disclosure Statement

☐ Is not due because:

☐ (1) Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement, or

☐ (2) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the statement.

Section 10. IDENTIFICATION OF PERSON(S) MAKING THIS INFORMATION DISCLOSURE STATEMENT

The person making this statement is

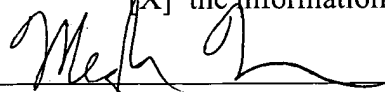
(a) ☐ the inventor(s) who signs below

(b) ☒ the attorney who signs below on the basis of:

☐ the information supplied by the inventor(s)

☐ an individual associated with the filing and prosecution of this application (37 CFR 1.56(c)).

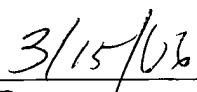
☒ the information in the attorney's file

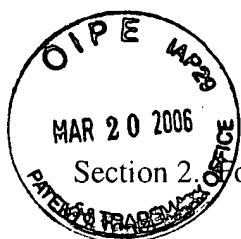

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Section 2. Form PTO - 1449 (Modified) (ATTACHMENT)

FORM PTO-1449 U.S. DEPT. OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. BTI-73US	SERIAL NO. 10/532,288
	APPLICANT Granados	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE 4/21/2005	GROUP 1651

U.S. PATENT DOCUMENTS

Exam Initial		DOCUMENT NUMBER	DATE	PATENTEE	CLASS	SUB	FILING DATE IF APPROPR
		5,298,418	3/29/1994	Granados	435	348	
		5,300,435	4/5/1994	Granados	435	348	
		5,686,305	11/11/1997	Wang et al.	435	348	
		6,403,375	6/11/2002	Granados	435	348	
		6,379,958	4/30/2002	Vaughan et al.	435	348	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Exam Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB	TRANSLATION YES NO

OTHER PRIOR ART

Exam Initial		Author, Title, Date, Pertinent Pages, Etc
		Grace, T.D.C., Establishment of four strains of cells from insect tissue grown in vitro, Nature, vol. 195, pg. 788-789, 1962
		Weiss, S.A. and J.L. Vaughn, Cell culture methods for large-scale propagation of baculovirus, in "The Biology of Baculoviruses," vol. II, "Practical Application for Insect Control" (Granados and Federici, Eds., CRC Press, Boca Raton, FL), pp. 63-87 (1986)
		Granados <i>et al.</i> , Production on viral agents in invertebrate cell cultures, in "Biotechnology in Invertebrate Pathology and Cell Culture" (Maramorosch, K., Ed., Academic Press, San Diego/NY), pp. 167-181, (1987)
		Vaughn, in Invertebrate Tissue Culture, Research Applications Academic Press, NY/London, 1976, pp. 295-303
		Luckow, V.A. and M.D. Summers, High level expression of non-fused foreign genes with <i>Autographa californica</i> nuclear polyhedrosis virus expression vectors, Virology, 170:311-39 (1988)
		Granados <i>et al.</i> , Replication of the <i>Trichoplusia ni</i> Granulosis and Nuclear Polyhedrosis Viruses in cell cultures, Virology 152: 472-476 (1986)
		Rochford <i>et al.</i> , "Establishment of a cell line from embryos of that cabbage looper, <i>Trichoplusia ni</i> (Hubner)" In Vitro vol. 20, No. 11. pg. 823-825, 1984
		Granados <i>et al.</i> , "A New Insect Cell Line from <i>Trichoplusia ni</i> (BTI-Tn-5B1-4) Susceptible to <i>Trichoplusia ni</i> Single Enveloped Nuclear Polyhedrosis Virus." Journal of Invertebrate Pathology 64, 1994, pg. 260-266
		O'Reilly <i>et al.</i> , 1992, Baculovirus expression vectors, A laboratory manual, W.H. Freeman and Company, NY). 1992
		Shuler <i>et al.</i> , 1995, Baculovirus Expression Systems and Biopesticides, Wiley-Liss Inc., NY. 1995, pg. 121-130



		Donaldson and Shuler, "Effects of Long-Term Passaging of BTI-Tn5B1-4 Insect Cells on Growth and Recombinant Protein Production" 1998, Biotechnol. Prog., 14, 543-547
		Hayflick, "Subculturing human diploid fibroblast cultures", from "Tissue Culture" Kruse and Patterson, Eds., New York: Academic Press 1973, pp. 220-223.
		Corsaro and Fraser "Characterization of clonal populations of the Heliothis zea cell line IPLB-HZ 1075", In Vitro Cell. Dev. Bio. 23(12):855-862, 1987
		Harris and Hopkinson "Handbook of Enzyme Electrophoresis in Human Genetics," Amsterdam: North Holland Publishing Co. (1977), pg. 68-69
EXAMINER		DATE CONSIDERED